## INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/000195

CLASSIFICATION OF SUBJECT MATTER PC 7 F16H57/02 B60 B60K17/16 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) F16H B60K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. US 5 951 431 A (DOWNS ET AL) 1-14 X 14 September 1999 (1999-09-14) figures 1-7,9 . . . Χ DE 101 41 995 A1 (JOHANN HAY GMBH & CO. KG 1-14. AUTOMOBILTECHNIK) 3 April 2003 (2003-04-03) figures 1,2,5,7,8 WO 89/10501 A (SAAB-SCANIA AKTIEBOLAG) X 1-14 2 November 1989 (1989-11-02) figure 1 Х US 3 901 103 A (HUFSTADER ET AL) 1 - 1426 August 1975 (1975-08-26) figure 1 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but \*A\* document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled \*O\* document referring to an oral disclosure, use, exhibition or other means in the art. \*P\* document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 03/06/2005 19 May 2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Szodfridt, T Fax: (+31-70) 340-3016

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PCT/IB2005/000195

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT										
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.								
X,P	EP 1 433 978 A (KABUSHIKI KAISHA ONDO KOUSAKUSYO) 30 June 2004 (2004-06-30) figures 3-5,7,8	1-14								
х	JP 58 144141 U (MITSUBISHI JISHODA KOGYO KABUSHIKI KAISHA) 28 September 1983 (1983-09-28) cited in the application figures 2,6	1-14								
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## INTERNATIONAL SEARCH REPORT

. Information on patent family members

International Application No PCT/1B2005/000195

Patent document cited in search report		Publication date	Patent family member(s)			Publication date
US 5951431	A	14-09-1999	CA DE JP	2236704 19820206 11030315	A1	06-11-1998 12-11-1998 02-02-1999
DE 10141995	A1	03-04-2003	EP	1288531	A2	05-03-2003
WO 8910501	A	02-11-1989	SE DE DE EP JP WO	68913541 0427728	D1 T2 A1 T	29-05-1989 07-04-1994 18-08-1994 22-05-1991 19-12-1991 02-11-1989
US 3901103	Α	. 26-08-1975	NONE			·
EP 1433978	A	30-06-2004	WO EP US	2004013519 1433978 2005070394	A1	12-02-2004 30-06-2004 31-03-2005
JP 58144141	U	28-09-1983	JР	62007012	Y2	18-02-1987